



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

TABLE E.—*One per cent phenol in water (mice had been injected the day before with varying amounts of an 18 per cent solution of ethyl alcohol).*

| Mo se No. | Weight.       | Approximate amount of 1 per cent solution of phenol per mouse. | Phenol per gram weight of mouse. | Result.       | Time.        |
|-----------|---------------|----------------------------------------------------------------|----------------------------------|---------------|--------------|
|           | <i>Grams.</i> |                                                                |                                  |               | <i>H. m.</i> |
| 378.....  | 16.95         | 0.543                                                          | 0.00032                          | Survived..... | .. ..        |
| 379.....  | 18.35         | .588                                                           | .00032                           | .....do.....  | .. ..        |
| 380.....  | 18.95         | .721                                                           | .00038                           | Died.....     | 3 0          |
| 381.....  | 20.45         | .780                                                           | .00038                           | Survived..... | .. ..        |
| 382.....  | 21.05         | .968                                                           | .00046                           | Died.....     | 20 0         |
| 383.....  | 20.65         | .950                                                           | .00046                           | .....do.....  | 35 0         |

## PLAGUE-PREVENTION WORK.

### CALIFORNIA.

The following report of plague-prevention work in California for the week ended April 8, 1916, was received from Surg. Boggess, of the United States Public Health Service, in charge of the work:

#### SAN FRANCISCO, CAL.

##### RAT PROOFING.

##### New buildings:

|                                                    |        |
|----------------------------------------------------|--------|
| Inspections of work under construction             | 217    |
| Basements concreted (square feet, 19,475).....     | 21     |
| Floors concreted (square feet, 11,147).....        | 8      |
| Yards, passageways, etc. (square feet, 8,801)..... | 59     |
| Total area of concrete laid (square feet).....     | 39,423 |

##### Class A, B, and C (fireproof) buildings:

|                                                      |       |
|------------------------------------------------------|-------|
| Inspections made.....                                | 138   |
| Roof and basement ventilators, etc., screened.....   | 515   |
| Wire screening used (square feet).....               | 2,740 |
| Openings around pipes, etc., closed with cement..... | 945   |
| Sidewalk lens lights replaced.....                   | 1,000 |

##### Old buildings:

|                                                                   |         |
|-------------------------------------------------------------------|---------|
| Inspections made.....                                             | 438     |
| Wooden floors removed.....                                        | 55      |
| Yards and passageways, planking removed.....                      | 29      |
| New foundation walls installed (cubic feet).....                  | 5,150   |
| Concrete floors installed (square feet, 32,710).....              | 23      |
| Basements concreted (square feet, 43,355).....                    | 58      |
| Yards and passageways, etc., concreted (square feet, 35,851)..... | 117     |
| Total area concrete laid (square feet).....                       | 111,916 |
| Floors rat proofed with wire cloth (square feet, 1,375).....      | 3       |
| Buildings razed.....                                              | 29      |

#### SAN FRANCISCO, CAL.—Continued.

##### RAT PROOFING—continued.

|                                        |     |
|----------------------------------------|-----|
| New garbage cans stamped approved..... | 479 |
| Nuisances abated.....                  | 350 |

##### OPERATIONS ON THE WATER FRONT.

|                                                                                     |        |
|-------------------------------------------------------------------------------------|--------|
| Vessels inspected for rat guards.....                                               | 18     |
| Reinspections made on vessels.....                                                  | 23     |
| New rat guards procured.....                                                        | 15     |
| Defective rat guards repaired.....                                                  | 10     |
| Rats trapped on wharves and water front.....                                        | 10     |
| Rats trapped on vessels.....                                                        | 31     |
| Traps set on wharves and water front.....                                           | 70     |
| Traps set on vessels.....                                                           | 54     |
| Vessels trapped on.....                                                             | 8      |
| Poisons placed within Panama-Pacific International Exposition grounds (pieces)..... | 56,200 |
| Bait used on waterfront and vessels, bacon (pounds).....                            | 4      |

##### RATS COLLECTED AND EXAMINED FOR PLAGUE.

|                     |       |
|---------------------|-------|
| San Francisco:      |       |
| Collected.....      | 370   |
| Examined.....       | 295   |
| Found infected..... | None. |
| Hollister:          |       |
| Collected.....      | 1     |
| Examined.....       | 1     |
| Found infected..... | None. |

##### RATS IDENTIFIED.

|                       |     |
|-----------------------|-----|
| Mus norvegicus.....   | 190 |
| Mus rattus.....       | 59  |
| Mus alexandrinus..... | 73  |
| Mus musculus.....     | 48  |

### SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE.

| County.           | Collected. | Exam-ined. | Found infected. |
|-------------------|------------|------------|-----------------|
| Contra Costa..... | 520        | 520        | None.           |
| Monterey.....     | 374        | 374        | 3               |
| San Benito.....   | 122        | 122        | None.           |
| Stanislaus.....   | 5          | 5          | None.           |
| Total.....        | 1,021      | 1,021      | 3               |

### RANCHES INSPECTED AND HUNTED OVER.

|                          |    |
|--------------------------|----|
| Contra Costa County..... | 67 |
| Monterey County.....     | 37 |

### RANCHES INSPECTED AND HUNTED OVER—Con.

|                        |     |
|------------------------|-----|
| San Benito County..... | 23  |
| Stanislaus County..... | 5   |
| Total.....             | 132 |

### PLAGUE-INFECTED SQUIRRELS.

#### Monterey County:

|                                                                                                     |   |
|-----------------------------------------------------------------------------------------------------|---|
| Shot Mar. 22, 1916. Wiley Bros. ranch (Arroyo Seco Rancho) 9½ miles south of Soledad....            | 1 |
| Shot Mar. 24, 1916. Otto Olsen ranch, sec. 30, T. 18 S., R. 6 E., 7 miles southwest of Soledad..... | 2 |

### RECORD OF PLAGUE INFECTION.

| Places in California.                        | Date of last case of human plague. | Date of last case of rat plague. | Dats of last case of squirrel plague. | Total number rodents found infected since May, 1907. |
|----------------------------------------------|------------------------------------|----------------------------------|---------------------------------------|------------------------------------------------------|
| <b>Cities:</b>                               |                                    |                                  |                                       |                                                      |
| San Francisco.....                           | Jan. 30, 1908                      | Oct. 23, 1908                    | None.....                             | 398 rats.                                            |
| Oakland.....                                 | Aug. 9, 1911                       | Dec. 1, 1908                     | do.....                               | 126 rats.                                            |
| Berkeley.....                                | Aug. 28, 1907                      | None.....                        | do.....                               | None.                                                |
| Los Angeles.....                             | Aug. 11, 1908                      | do.....                          | Aug. 21, 1908                         | 1 squirrel.                                          |
| <b>Counties:</b>                             |                                    |                                  |                                       |                                                      |
| Alameda (exclusive of Oakland and Berkeley). | Sept. 24, 1909                     | Oct. 17, 1909                    | July 12, 1915                         | 287 squirrels.                                       |
| Contra Costa.....                            | July 13, 1915                      | Wood rat.....                    | Mar. 1, 1916                          | 1 wood rat.                                          |
| Fresno.....                                  | None.....                          | None.....                        | Oct. 27, 1911                         | 1,598 squirrels.                                     |
| Merced.....                                  | do.....                            | do.....                          | July 12, 1911                         | 1 squirrel.                                          |
| Monterey.....                                | do.....                            | do.....                          | Mar. 24, 1916                         | 5 squirrels.                                         |
| San Benito.....                              | June 4, 1913                       | do.....                          | Aug. 14, 1915                         | 23 squirrels.                                        |
| San Joaquin.....                             | Sept. 18, 1911                     | do.....                          | Aug. 26, 1911                         | 50 squirrels.                                        |
| Santa Clara.....                             | Aug. 31, 1910                      | do.....                          | July 23, 1913                         | 18 squirrels.                                        |
| San Luis Obispo.....                         | None.....                          | do.....                          | Jan. 29, 1910                         | 25 squirrels.                                        |
| Santa Cruz.....                              | do.....                            | do.....                          | May 17, 1910                          | 1 squirrel.                                          |
| Stanislaus.....                              | do.....                            | do.....                          | June 2, 1911                          | 3 squirrels.                                         |
|                                              |                                    |                                  |                                       | 13 squirrels.                                        |

The work is being carried on in the following-named counties: Alameda, Contra Costa, San Francisco, Stanislaus, San Benito, Monterey, Lassen, and Modoc.

### LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended April 8, 1916, was received from Surg. Creel, of the United States Public Health Service, in charge of the work:

#### OUTGOING QUARANTINE.

|                                                            |       |
|------------------------------------------------------------|-------|
| Vessels fumigated with sulphur.....                        | 6     |
| Vessels fumigated with cyanide gas.....                    | 15    |
| Pounds of sulphur used.....                                | 210   |
| Cyanide used in cyanide-gas fumigation, (pounds).....      | 992   |
| Sulphuric acid used in cyanide-gas fumigation (pints)..... | 1,455 |
| Clean bills of health issued.....                          | 29    |
| Foul bills of health issued.....                           | 4     |

#### FIELD OPERATIONS.

|                             |       |
|-----------------------------|-------|
| Rodents trapped.....        | 8,566 |
| Premises inspected.....     | 8,294 |
| Notices served.....         | 838   |
| Garbage cans installed..... | 3     |

#### BUILDINGS RAT PROOFED.

|                                                             |         |
|-------------------------------------------------------------|---------|
| By elevation.....                                           | 177     |
| By marginal concrete wall.....                              | 173     |
| By concrete floor and wall.....                             | 238     |
| By minor repairs.....                                       | 355     |
| Total buildings rat proofed.....                            | 943     |
| Square yards of concrete laid.....                          | 13,530  |
| Number of premises, planking and shed flooring removed..... | 142     |
| Number of buildings demolished.....                         | 186     |
| Total buildings rat proofed to date (abated).....           | 110,536 |

#### LABORATORY OPERATIONS.

|                              |       |
|------------------------------|-------|
| Rodents received by species: |       |
| Mus rattus.....              | 190   |
| Mus norvegicus.....          | 1,619 |

| LABORATORY OPERATIONS--contd.                    |       |
|--------------------------------------------------|-------|
| Rodents received by species--Contd.              |       |
| Mus alexandrinus.....                            | 159   |
| Mus musculus.....                                | 6,259 |
| Wood rats.....                                   | 136   |
| Musk rats.....                                   | 9     |
| Putrid (included in enumeration of species)..... | 289   |
| Total rodents received at laboratory.....        | 8,372 |
| Rodents examined.....                            | 2,363 |
| Number of rats suspected of plague.....          | 139   |
| Plague rats confirmed.....                       | None  |

| PLAGUE STATUS TO APR. 8, 1916.                      |         |
|-----------------------------------------------------|---------|
| Last case of human plague, Sept. 8, 1915.           |         |
| Last case of rodent plague, Mar. 16, 1916.          |         |
| Total number of rodents captured to Apr. 8.....     | 673,836 |
| Total number of rodents examined to Apr. 8.....     | 343,430 |
| Total cases of rodent plague to Apr. 8, by species: |         |
| Mus musculus.....                                   | 6       |
| Mus rattus.....                                     | 18      |
| Mus alexandrinus.....                               | 12      |
| Mus norvegicus.....                                 | 248     |
| Total rodent cases to Apr. 8, 1916.....             | 284     |

### WASHINGTON--SEATTLE--PLAGUE ERADICATION.

The following reports of plague-eradication work at Seattle were received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

WEEK ENDED MAR. 25, 1916.

| RAT PROOFING.                                                  |        |
|----------------------------------------------------------------|--------|
| New buildings inspected.....                                   | 19     |
| New buildings reinspected.....                                 | 68     |
| Basements concreted, new buildings (25,712 square feet).....   | 24     |
| Floors concreted, new buildings (18,595 square feet).....      | 8      |
| Yards, etc., concreted, new buildings (1,519 square feet)..... | 7      |
| Sidewalks concreted (square feet).....                         | 11,270 |
| Total concrete laid, new structures (square feet).....         | 57,096 |
| New buildings elevated.....                                    | 5      |
| New premises rat proofed, concrete.....                        | 32     |
| Old buildings inspected.....                                   | 3      |
| Premises rat proofed, concrete, old buildings.....             | 2      |
| Floors concreted, old buildings (2,290 square feet).....       | 2      |
| Premises otherwise rat proofed, old building.....              | 1      |
| Openings screened, old buildings.....                          | 2      |
| Rat holes cemented, old buildings.....                         | 10     |
| Wooden floors removed, old buildings.....                      | 2      |
| Wire screening used (square feet).....                         | 150    |
| Buildings razed.....                                           | 3      |

| LABORATORY AND RODENT OPERATIONS.          |       |
|--------------------------------------------|-------|
| Dead rodents received.....                 | 17    |
| Rodents trapped and killed.....            | 398   |
| Rodents recovered after fumigation.....    | 29    |
| Total.....                                 | 444   |
| Rodents examined for plague infection..... | 296   |
| Rodents proven plague infected.....        | None. |
| Poison distributed (pounds).....           | 11    |
| Bodies examined for plague infection.....  | 4     |
| Bodies found plague infected.....          | None. |

| CLASSIFICATION OF RODENTS. |     |
|----------------------------|-----|
| Mus rattus.....            | 24  |
| Mus alexandrinus.....      | 64  |
| Mus norvegicus.....        | 260 |
| Mus musculus.....          | 96  |

| WATER FRONT.                                                                       |       |
|------------------------------------------------------------------------------------|-------|
| Vessels inspected and histories recorded.....                                      | 12    |
| Vessels fumigated.....                                                             | 3     |
| Sulphur used, pounds.....                                                          | 2,600 |
| New rat guards installed.....                                                      | 18    |
| Defective rat guards repaired.....                                                 | 14    |
| Fumigation certificates issued.....                                                | 3     |
| Port sanitary statements issued.....                                               | 47    |
| The usual day and night patrol was maintained to enforce rat guarding and fending. |       |

| MISCELLANEOUS WORK.                                          |    |
|--------------------------------------------------------------|----|
| Rat-proofing notices sent to contractors, new buildings..... | 22 |
| Letters sent in re rat complaints.....                       | 2  |
| New restaurants inspected.....                               | 5  |

| RODENTS EXAMINED IN EVERETT.  |    |
|-------------------------------|----|
| Mus norvegicus trapped.....   | 34 |
| Mus alexandrinus trapped..... | 17 |
| Mus musculus trapped.....     | 20 |

|                                            |       |
|--------------------------------------------|-------|
| Total.....                                 | 71    |
| Rodents examined for plague infection..... | 62    |
| Rodents proven plague infected.....        | None. |

| RAT-PROOFING OPERATIONS IN EVERETT.                     |   |
|---------------------------------------------------------|---|
| New buildings inspected.....                            | 5 |
| New buildings, concrete foundations.....                | 3 |
| New buildings elevated.....                             | 2 |
| New buildings, floors concreted (square feet, 180)..... | 1 |

<sup>1</sup> Indicates number of rodents, the tissues of which were inoculated into guinea pigs. Most of them showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.

## RAT-PROOFING OPERATIONS IN EVERETT—contd.

|                                                              |     |
|--------------------------------------------------------------|-----|
| New buildings, yards concreted (square feet, 140).....       | 1   |
| Total concrete laid, new buildings (square feet).....        | 320 |
| Old buildings, basements concreted (square feet, 4,200)..... | 1   |

WEEK ENDED APR. 1, 1916.

## RAT PROOFING.

|                                                                |        |
|----------------------------------------------------------------|--------|
| New buildings inspected.....                                   | 10     |
| New buildings reinspected.....                                 | 72     |
| Basements concreted, new buildings (26,270 square feet).....   | 24     |
| Floors concreted, new buildings (10,575 square feet).....      | 7      |
| Yards, etc., concreted, new buildings (1,290 square feet)..... | 3      |
| Sidewalks concreted, square feet.....                          | 9,475  |
| Total concrete laid, new structures, square feet.....          | 47,610 |
| New buildings elevated.....                                    | 5      |
| New premises rat proofed, concrete.....                        | 31     |
| Old buildings inspected.....                                   | 3      |
| Premises rat proofed, concrete, old buildings.....             | 1      |
| Floors concreted, old buildings (1,275 square feet).....       | 1      |
| Openings screened, old buildings.....                          | 5      |
| Wooden floors removed, old buildings.....                      | 1      |
| Wire screening used, square feet.....                          | 250    |
| Buildings razed.....                                           | 3      |

## LABORATORY AND RODENT OPERATIONS.

|                                         |     |
|-----------------------------------------|-----|
| Dead rodents received.....              | 14  |
| Rodents trapped and killed.....         | 370 |
| Rodents recovered after fumigation..... | 12  |

|                                            |       |
|--------------------------------------------|-------|
| Total.....                                 | 396   |
| Rodents examined for plague infection..... | 300   |
| Rodents proven plague infected.....        | None. |
| Poison distributed, pounds.....            | 15    |
| Bodies examined for plague infection.....  | 5     |
| Bodies proven plague infected.....         | None. |

## CLASSIFICATION OF RODENTS.

|                       |     |
|-----------------------|-----|
| Mus rattus.....       | 17  |
| Mus alexandrinus..... | 78  |
| Mus norvegicus.....   | 237 |
| Mus musculus.....     | 64  |

## RODENTS EXAMINED IN TACOMA.

|                                            |       |
|--------------------------------------------|-------|
| Mus norvegicus trapped.....                | 83    |
| Mus norvegicus found dead.....             | 1     |
| Mus rattus trapped.....                    | 3     |
| Mus alexandrinus trapped.....              | 4     |
| Total.....                                 | 91    |
| Rodents examined for plague infection..... | 91    |
| Rodents proven plague infected.....        | None. |

## WATER FRONT.

|                                                                                    |     |
|------------------------------------------------------------------------------------|-----|
| Vessels inspected and histories recorded.....                                      | 17  |
| Vessels fumigated.....                                                             | 2   |
| Sulphur used, pounds.....                                                          | 500 |
| New rat guards installed.....                                                      | 8   |
| Defective rat guards repaired.....                                                 | 27  |
| Fumigation certificates issued.....                                                | 2   |
| Port sanitary statements issued.....                                               | 43  |
| The usual day and night patrol was maintained to enforce rat guarding and fending. |     |

## MISCELLANEOUS WORK.

|                                                              |    |
|--------------------------------------------------------------|----|
| Rat-proofing notices sent to contractors, new buildings..... | 17 |
| Letters sent in re rat complaints.....                       | 7  |
| Old buildings undergoing minor repairs inspected.....        | 8  |
| Restaurant permits viséed.....                               | 5  |

## RODENTS EXAMINED IN EVERETT.

|                                            |      |
|--------------------------------------------|------|
| Mus norvegicus trapped.....                | 25   |
| Mus alexandrinus trapped.....              | 3    |
| Mus musculus trapped.....                  | 14   |
| Total.....                                 | 42   |
| Rodents examined for plague infection..... | 38   |
| Rodents proven plague infected.....        | None |

## RAT-PROOFING OPERATIONS IN EVERETT.

|                                         |   |
|-----------------------------------------|---|
| New buildings inspected.....            | 3 |
| New buildings concrete foundations..... | 3 |

## RODENTS EXAMINED IN TACOMA.

|                                            |       |
|--------------------------------------------|-------|
| Mus norvegicus trapped.....                | 103   |
| Mus norvegicus found dead.....             | 1     |
| Mus rattus trapped.....                    | 1     |
| Mus alexandrinus trapped.....              | 4     |
| Total.....                                 | 109   |
| Rodents examined for plague infection..... | 109   |
| Rodents proven plague infected.....        | None. |

WEEK ENDED APR. 8, 1916.

## RAT PROOFING.

|                                                                |       |
|----------------------------------------------------------------|-------|
| New buildings inspected.....                                   | 28    |
| New buildings reinspected.....                                 | 53    |
| Basements concreted, new buildings (22,345 square feet).....   | 16    |
| Floors concreted, new buildings (18,750 square feet).....      | 19    |
| Yards, etc., concreted, new buildings (2,450 square feet)..... | 5     |
| Sidewalks concreted (square feet).....                         | 9,875 |

## RAT PROOFING—continued.

|                                                          |        |
|----------------------------------------------------------|--------|
| Total concrete laid, new structures (square feet).....   | 53,420 |
| New buildings elevated.....                              | 4      |
| New premises rat proofed, concrete.....                  | 35     |
| Old buildings inspected.....                             | 6      |
| Premises rat proofed, concrete, old buildings.....       | 3      |
| Floors concreted, old buildings (3,775 square feet)..... | 3      |
| Wooden floors removed, old buildings.....                | 3      |
| Buildings razed.....                                     | 2      |

| LABORATORY AND RODENT OPERATIONS.                                                  |       | MISCELLANEOUS WORK—continued.                            |       |
|------------------------------------------------------------------------------------|-------|----------------------------------------------------------|-------|
| Dead rodents received.....                                                         | 21    | Lectures on sanitary measures delivered.....             | 1     |
| Rodents trapped and killed.....                                                    | 314   | Inspection of medicine chests, fishing vessels..         | 14    |
| Rodents recovered after fumigation.....                                            | 5     |                                                          |       |
| Total.....                                                                         | 340   | RODENTS EXAMINED IN EVERETT.                             |       |
| Rodents examined for plague infection.....                                         | 244   | Mus norvegicus trapped.....                              | 58    |
| Rodents proven plague infected.....                                                | None. | Mus alexandrinus trapped.....                            | 4     |
| Poison distributed (pounds).....                                                   | 12    | Mus musculus trapped.....                                | 4     |
| Bodies examined for plague infection.....                                          | 3     | Total.....                                               | 66    |
| CLASSIFICATION OF RODENTS.                                                         |       | Rodents examined for plague infection.....               | 57    |
| Mus rattus.....                                                                    | 23    | Rodents proven plague infected.....                      | None. |
| Mus alexandrinus.....                                                              | 72    |                                                          |       |
| Mus norvegicus.....                                                                | 177   | RAT-PROOFING OPERATIONS IN EVERETT.                      |       |
| Mus musculus.....                                                                  | 68    | New buildings inspected.....                             | 8     |
| WATER FRONT.                                                                       |       | New buildings, concrete foundations.....                 | 4     |
| Vessels inspected and histories recorded.....                                      | 16    | New buildings elevated 18 inches.....                    | 4     |
| Vessels fumigated.....                                                             | 1     | New buildings, floors concreted (1,250 square feet)..... | 1     |
| Sulphur used, pounds.....                                                          | 150   | Total concrete laid, new buildings (square feet).....    | 1,250 |
| New rat guards installed.....                                                      | 23    |                                                          |       |
| Defective rat guards repaired.....                                                 | 16    | RODENTS EXAMINED IN TACOMA.                              |       |
| Fumigation certificates issued.....                                                | 1     | Mus norvegicus trapped.....                              | 64    |
| Port sanitary statements issued.....                                               | 41    | Mus norvegicus found dead.....                           | 1     |
| The usual day and night patrol was maintained to enforce rat guarding and fending. |       | Mus alexandrinus trapped.....                            | 5     |
| MISCELLANEOUS WORK.                                                                |       | Mus rattus trapped.....                                  | 2     |
| Rat-proofing notices sent to contractors, new buildings.....                       | 17    | Total.....                                               | 72    |
| Letters sent in re rat complaints.....                                             | 3     | Rodents examined for plague infection.....               | 69    |
|                                                                                    |       | Rodents proven plague infected.....                      | None. |

### HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

#### Honolulu.

##### WEEK ENDED APR. 1, 1916.

|                                    |       |                                           |            |
|------------------------------------|-------|-------------------------------------------|------------|
| Total rats and mongoose taken..... | 354   | Classification of rats trapped—Continued. |            |
| Rats trapped.....                  | 352   | Mus musculus.....                         | 119        |
| Mongoose trapped.....              | 2     | Mus norvegicus.....                       | 65         |
| Examined microscopically.....      | 302   | Mus rattus.....                           | 22         |
| Showing plague infection.....      | None. | Average number of traps set daily.....    | 984        |
| Classification of rats trapped:    |       | Cost per rat destroyed.....               | 21½ cents. |
| Mus alexandrinus.....              | 146   |                                           |            |

##### WEEK ENDED APR. 8, 1916.

|                                    |       |                                                                    |            |
|------------------------------------|-------|--------------------------------------------------------------------|------------|
| Total rats and mongoose taken..... | 365   | Average number of traps set daily.....                             | 984        |
| Rats trapped.....                  | 363   | Cost per rat destroyed.....                                        | 21½ cents. |
| Mongoose trapped.....              | 2     | Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.  |            |
| Examined microscopically.....      | 306   | Last case human plague, Honolulu, July 12, 1910.                   |            |
| Showing plague infection.....      | None. | Last case rat plague, Paauhau, Hawaii, Jan. 18, 1916.              |            |
| Classification of rats trapped:    |       | Last case human plague, Paauhau Plantation, Hawaii, Dec. 16, 1915. |            |
| Mus alexandrinus.....              | 179   |                                                                    |            |
| Mus musculus.....                  | 103   |                                                                    |            |
| Mus norvegicus.....                | 40    |                                                                    |            |
| Mus rattus.....                    | 41    |                                                                    |            |

## Hilo.

## WEEK ENDED MAR. 25, 1916.

|                                            |       |                                                |       |
|--------------------------------------------|-------|------------------------------------------------|-------|
| Rats and mongoose taken.....               | 2,639 | Rats and mongoose plague infected.....         | None  |
| Rats trapped.....                          | 2,605 | Classification of rats trapped and found dead: |       |
| Rats found dead.....                       | 1     | <i>Mus norvegicus</i> .....                    | 418   |
| Mongoose taken.....                        | 33    | <i>Mus alexandrinus</i> .....                  | 334   |
| Rats and mongoose examined macroscopically | 2,635 | <i>Mus rattus</i> .....                        | 785   |
| Rats and mongoose examined microscopically | 1     | <i>Mus musculus</i> .....                      | 1,069 |

## WEEK ENDED APR. 1, 1916.

|                                                 |       |                                                  |     |
|-------------------------------------------------|-------|--------------------------------------------------|-----|
| Rats and mongoose taken.....                    | 2,594 | Classification of rats trapped and found         |     |
| Rats trapped.....                               | 2,554 | dead—Continued.                                  |     |
| Mongoose taken.....                             | 40    | <i>Mus rattus</i> .....                          | 781 |
| Rats and mongoose examined macroscopically..... | 2,594 | <i>Mus musculus</i> .....                        | 948 |
| Rats and mongoose examined microscopically      | 1     | Last case of rat plague, Paauhau Sugar Co., Jan. |     |
| Rats and mongoose plague infected.....          | None  | 18, 1916.                                        |     |
| Classification of rats trapped and found dead:  |       | Last case of human plague, Paauhau Sugar Co.,    |     |
| <i>Mus norvegicus</i> .....                     | 431   | Dec. 16, 1915.                                   |     |
| <i>Mus alexandrinus</i> .....                   | 394   |                                                  |     |